BRUHAT BANGALORE MAHANAGARA PALIKE

Modified

YELAHANKA ZONE

Name of work: Estimate for Improvements of Drains and Construction of Cement Concrete Road at Kodigehalli Village in Ward No. 08, Kodigehalli Sub Division.

							Estimate Cost Rs.		1000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 152/ Item No. 19.1/ PWD SR 2013-14**	Cum							
	Desiltation of Road Side drains								
			2	105.00	0.45	0.30	28.35		
			2	67.00	0.45	0.30	18.09		
							46.44	65.88	**3059.00**
	Basic Rate	61.00							
	Area Weightage @ 8%	4.88							
	Total	**65.88**							
2	Removing B.S Slab of Drain and stacking **Page No. 28 / Item No. 5.32/ PWD SR 2013-14**	Sqm							
			2	105.00		1.35	283.50		
			2	67.00		1.35	180.90		
							464.40	50.11	**23272.00**
	Basic Rate	46.40							
	Area Weightage @ 8%	3.71							
	Total	**50.11**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 28 / Item No. 5.33/ PWD SR 2013-14**	Sqm							
	Consider 80%		Qty Vide Item No. 2				**371.52**	70.04	**26021.00**
	Basic Rate	64.85							
	Area Weightage @ 8%	5.19							
	Total	**70.04**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 28 / Item No. 5.31.1/ PWD SR 2013-14**	Sqm							
	Consider 20%		Qty Vide Item No. 2				**92.88**	343.44	**31899.00**
	Basic Rate	318.00							
	Area Weightage @ 8%	25.44							
	Total	**343.44**							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 152 / Item No. 19.2 / PWD SR 2013-14**	Cum							
	For CC Road		1	105.00	4.00	0.15	63.00		
			1	67.00	4.00	0.15	40.20		
							103.20	90.72	**9362.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
6	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2013-14**	Cum							
	For CC Road		1	105.00	4.00	0.15	63.00		
			1	67.00	4.00	0.15	40.20		
							103.20	4290.84	**442815.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2013-14**	Cum							
	For CC Road		1	105.00	4.00	0.10	42.00		
			1	67.00	4.00	0.10	26.80		
							68.80	5639.76	**388015.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
8	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **190 / Item No. 22.7/ PWD SR 2013-14**	Sqm							
	For CC Road		1	105.00	4.00		420.00		
			1	67.00	4.00		268.00		
							688.00	91.80	**63158.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
9	Providing groove cutting for **cement pavement** wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications **Page No. 191 / Item No. 22.8.1 / PWD SR 2013-14**	Rmt							
			11	4.00			44.00		
			7	4.00			28.00		
							72.00	118.80	**8554.00**

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	110.00							
	Area Weightage @ 8%	8.80							
	Total	**118.80**							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**46.44**	72.71	**3376.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
11	Miscesallaneous Charges	L/S							**469.00**
								Total	**1000000.00**
	(Rupees Ten Lakhs Only)								

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

D. K. madhu madhav
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Modified
Technical Sanction for Rs.
10.00 Lakhs
Ten Lakhs only
Registered as Bill No. Dated
to conditions contained in above memo.
No. 332 15/10/14.
AEE/E